

The NOAA Operational Model Archive and Distribution System NOMADS

Input to ESP Meeting

Ethan Davis

(for Glenn Rutledge PI)

NOAA National Climatic Data Center

Glenn.Rutledge@noaa.gov

NOMADS Status

- The NOMADS GDS, and Web Interface operational and on NCDC Main Page:
www.ncdc.noaa.gov/oa/model/model-resources.html (40K+ requests /mo.)
- Spinning Disk to NCDC Deep Archive nearing completion.
- NOMADS has seen significant visibility and functionality over the last 6 months.

NOMADS Status

- Recent briefings:
 - Climate and Global Change WG (Commerce level)
 - Climate Monitoring WG (Commerce level)
 - NOAA Science Advisory Board
 - NVODS
 - NWS Office Directors and NWS CIO
 - NOAA Tech and Web forums
- Request from Tom Karl to brief NOAA AA's in the Fall '03. The focus would be an operational NOAA level push for NOMADS technologies; and...

NOMADS Status

- NOMADS may be incorporated with the CLASS project. NCDC to assume CLASS program management. NOMADS being considered as new template for CLASS architecture.
- NOMADS to follow and support ESP.
- Data forms for NOMADS include Grib, Grib2, BUFR, NetCDF, HDF etc., and serviced currently thru GrADS-DODS.
- LAS-CDAT next server to be installed.
- THREDDS and NSDL for Cataloging/Search

NOMADS Status

- Data Availability
 - NCEP Operational NWP (Hi and Lo res)
 - Seamless access across R/T NCEP NOMADS and Historical NOMADS data at NCDC.
- Next Up
 - North American Regional Reanalysis (NARR)
 - Oct.'03. 20km w/Precip ~7TB online
 - Extended Reconstructed Smith/Reynolds sst's and other NCDC monitoring datasets including GHCN and CARDS.
 - Ocean models from NCEP (WAVE)
 - NCEP Ensembles
 - CEOS-Grid Participation w/ NPOSS, CEOP, and pilot w/ U of Ala. Huntsville for Radar data availability using NOMADS